HP Compaq nw8440 Mobile Workstation

HP recommends Microsoft® Windows® XP Professional

Workstation Performance, Notebook Mobility – High performance processors & discrete graphics, 15.4” widescreen displays and ISV certifications

The HP Compaq nw8440 Mobile Workstation is a power-packed mobile workstation in a thin and light design, so you can easily work beyond the office without compromising performance demands.

- Powerful ATI Mobility FireGL V5200 graphics, with 256MB dedicated video memory, deliver the performance, quality, and stability required for your most demanding projects.
- Certified with the latest ISV workstation applications in a wide range of vertical segments.
- Choice of high resolution 15.4-inch TFT widescreen displays with wide-viewing angle technology.
- Intel® Core™ Duo[7] processors allow simultaneous use of multiple applications so you accomplish more in less time.
- Thin & light design with a starting weight of 5.95 lbs
- HP Performance Tuning Framework enables optimal configuration delivering stability and best performance

HP Professional Innovations

- Security – Solutions to help protect your mobile workstation, data, and network connections.
  - HP ProtectTools is a portfolio of security features designed to address critical aspects of security, including the TPM Embedded Security Chip, Smart Card Reader, and HP Biometric Fingerprint Sensor[6].
- Ease-of-use – Intuitive and power-saving features that boost productivity.
  - Ambient Light Sensor automatically adjusts display brightness maximizing battery life.
  - HP Fast Charge Technology charges the primary battery up to 90% in 90 minutes then charges secondary battery up to 90% to keep you running.[8]
  - HP Smart AC Adapter can be shared across HP’s 2006 Business Notebooks and includes surge protection.[12]
- Reliability -- Built to perform and proven to last.
  - HP Mobile Data Protection System 3D helps protect data during normal use from shock and vibration.
  - In-mold Lamination is a scratch-resistant surface that helps protect the keyboard deck.
  - Magnesium frame and display enclosure provide a durable structure in a very thin and light design.

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Operating system	Preinstalled Microsoft Windows XP Professional Edition FreeDOS		Supported Microsoft Windows 2000 (drivers downloadable from http://www.hp.com) Red Hat RHEL 4 (certified)	
Processor[7]	Intel Core Duo Processor T2600† (2.16-GHz, 667-MHz FSB, 2MB-L2 cache) Intel Core Duo Processor T2500† (2.0-GHz, 667-MHz FSB, 2MB-L2 cache) Intel Core Duo Processor T2400† (1.83-GHz, 667-MHz FSB, 2MB-L2 cache) †Intel's numbering is not a measurement of higher performance.			
Chipset	Mobile Intel 945PM Express Chipset			
ISV Certifications	MCAD	AutoDesk AutoCAD AutoDesk Inventor Bentley Microstation Dassault Catia V5	UGS I-DEAS NX 10 UGS I-DEAS NX 11 UGS/PLM Unigraphics NX, NX2, NX3	PTC Pro/E 2001 Mechanica PTC Pro/E Wildfire Mechanica	MSC.Patran UGS Solidedge Solidworks
	DCC	Discreet 3DS MAX/Combustion	Alias Maya Alias Studio Tools	Avid SoftImage XSI/3D Avid Xpress Pro	Adobe Premiere/After Effects Pinnacle Edition
	GIS	ESRI ArcGIS 9	Other	Oil & Gas	GIS / SRIV
Memory	DDR2 SDRAM, 533- or 667-MHz, two SODIMM slots supporting dual channel memory[9], 512/1024/2048-MB upgradeable to 4096-MB maximum[1]			
Hard drive(s)[11]	60/80/100-GB 5400 rpm, 80/100-GB 7200 rpm			
Removable media	12.7-mm optical drives: LightScribe DVD+/-RW with Double Layer[2], DVD+/-RW SuperMulti[10] with Double Layer[2], 24X DVD/CD-RW Combo			
Display	15.4-inch WSXGA+ wide-viewing angle (1680 x 1050 resolution and 16M colors), 15.4-inch WUXGA wide-viewing angle (1920 x 1200 resolution and 16M colors), Ambient Light Sensor			
Graphics	ATI Mobility FireGL V5200 graphics controller with 256 MB of video memory			
Audio	PremierSound High Definition Audio support w/24-bit audio DAC, Digital EQ, Advanced audio power management, line out/headphone jack, microphone jack, integrated microphone			
Wireless[4] support	Intel PRO/Wireless 3945ABG Network Connection, Broadcom 4311AG 802.11a/b/g WiFi Adapter, Broadcom 4311BG 802.11b/g WiFi Adapter, Bluetooth™ 2.0			
Communications	Broadcom NetXtreme Gigabit Ethernet PCI Express Controller[5] (10/100/1000 NIC), 56K v.92 modem, HP Smart Power NIC technology			
Expansion slots	1 Type I/II PC Card slot supports 32-bit CardBus and 16-bit cards, integrated Smart Card Reader, Secure Digital slot			
Ports and connectors	3 USB 2.0, VGA, audio in/out, power connector, RJ-11, RJ-45, S-video TV out, 1394a, serial port, docking connector, accessory battery connector			
Input devices	Full-sized keyboard; Enhanced dual pointing devices (Touchpad and Pointstick, both with three pick buttons)			
Software	Operating system updates	Microsoft Windows Media Player 10 Microsoft .NET Framework 1.1	Applications and utilities	HP Wireless Assistant – select models HP Mobile Printing Driver for Windows
	Security and recovery	HP Backup and Recovery Manager Norton Internet Security HP ProtectTools Security Manager	Applications	Sonic Digital Media Plus – select models Intervideo WinDVD 5 – select models Microsoft Office 2003 Small Business or Professional- Optional
Security	HP ProtectTools Security Manager, HP Drivelock, integrated Smart Card Reader, HP Biometric Fingerprint Sensor, TPM Embedded Security Chip 1.2, Kensington lock slot			
Dimensions (h × w × d)	1.1 in (at front) x 14.1 in x 10.2 in /28 mm (at front) x 358 mm x 259 mm			
Weight	Starting at 5.95 lbs			
Power	8-cell (69 WHr) Lithium-Ion battery, optional HP 8-cell (52 WHr) Extended Life Battery, 90W HP Smart AC Adapter[12], HP Fast Charge Technology[8]			
Expansion solutions[6]	HP Docking Station[6]	HP Advanced Docking Station[6]	HP External MultiBay II[6]	HP Monitor Stands[6]
Warranty	Three-year standard parts and labor limited onsite warranty (upgrades available[6]), one-year limited warranty on primary battery			

1 Above 3-GB, all memory may not be available due to system resource requirements.
2 Double Layer discs can store more data than single layer discs. However, double-layer discs burned with this drive may not be compatible with many existing single-layer DVD drives and players
3 LightScribe creates a grayscale image similar to black and white photography. LightScribe media required and sold separately.
4 Wireless access point required and is not included. Availability of public wireless access points limited. Wireless Internet use requires separately purchased Internet service contract.
5 The term "10/100/1000" or "Gigabit" Ethernet indicates compliance with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/sec. For high speed transmission, connection to a Gigabit Ethernet
all customers or software applications will necessarily benefit from use of this technology
8 Fast Charge Technology recharges your battery up to 90% within 90 minutes when the system is off. Fast Charge Technology does not apply to 9 cell primary and 12 cell Ultra Capacity batteries.
9 Dual Channel is only supported when the system is configured with DDR2 symmetric memory (i.e. 2x256).
10 Note that DVD-RAM cannot read or write to 2.6GB Single Sided/5.2 GB Double Sided – Version 1.0 media.
11 For hard drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 8GB of memory is reserved for system recovery software.
12 The new HP Smart A/C Adapters will not be backwards compatible to prior generation notebooks. However, a dongle will be available to support existing

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